



NIEHS/EPA Superfund Basic Research Program
**Health Effects and Geochemistry of
Arsenic and Manganese**
Columbia University



*Research Translation Core
Collaborating with Government & the Public:
As & Mn Exposure via Groundwater*

Principal Investigators:

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Co-Investigators:

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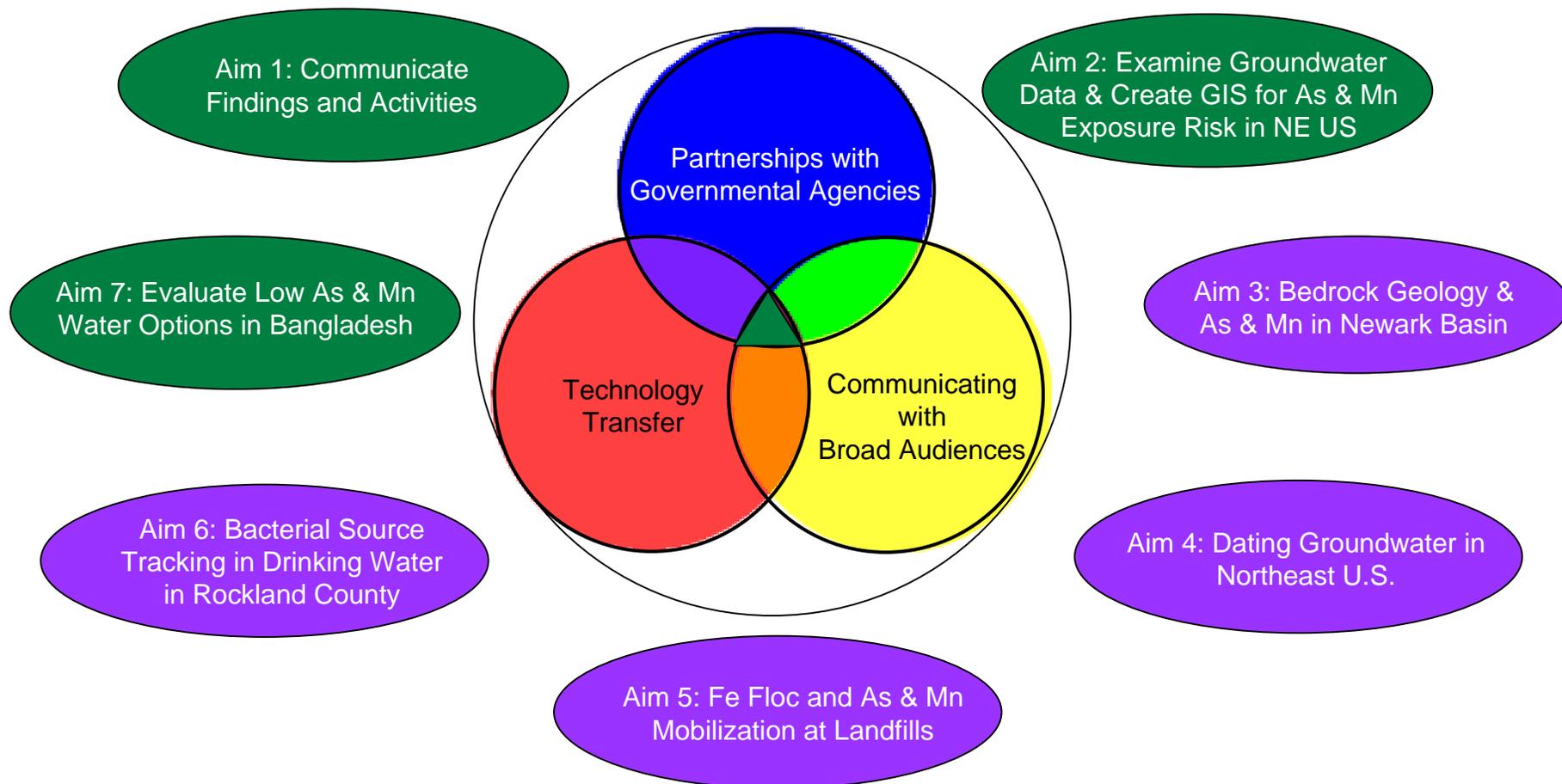


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Columbia University SBRP Research Translation Core





Communicating Findings & Activities



➤ **Interdisciplinary meetings, seminars, workshops, & conferences**

Columbia Monthly SBRP Seminars

EPA/NIEHS Workshops on Arsenic and Landfills: Tucson, Feb 2006, Boston, Oct 2006

NIEHS Hurricane Katrina Portal Meeting, NYC, January 2006

EPA National Site Assessment: Charleston, June 2005

Columbia University's Lamont Open House: ~3000 visitors from metro area

Columbia, University of Dhaka, UNDP Symposium 2007: New findings Concerning the Health Effects and Geochemistry of Arsenic

➤ **Website Updates** Project Descriptions, Searchable Contacts, Publications, & Image Gallery

➤ **Development and distribution of informational materials** Fact Sheets

➤ **Geospatial data identification, integration, analysis, and mapping**

Data sharing with NYS DEC Region 3, USGS NY, United Water, NE State & Federal agencies

➤ **Technical training and assistance**

Bangladesh: Well testing, GIS training, health clinic, community wells

➤ **Performance & impact metrics** Feedback forms, citations, web utilizations

Government Partnerships & Technology Transfer

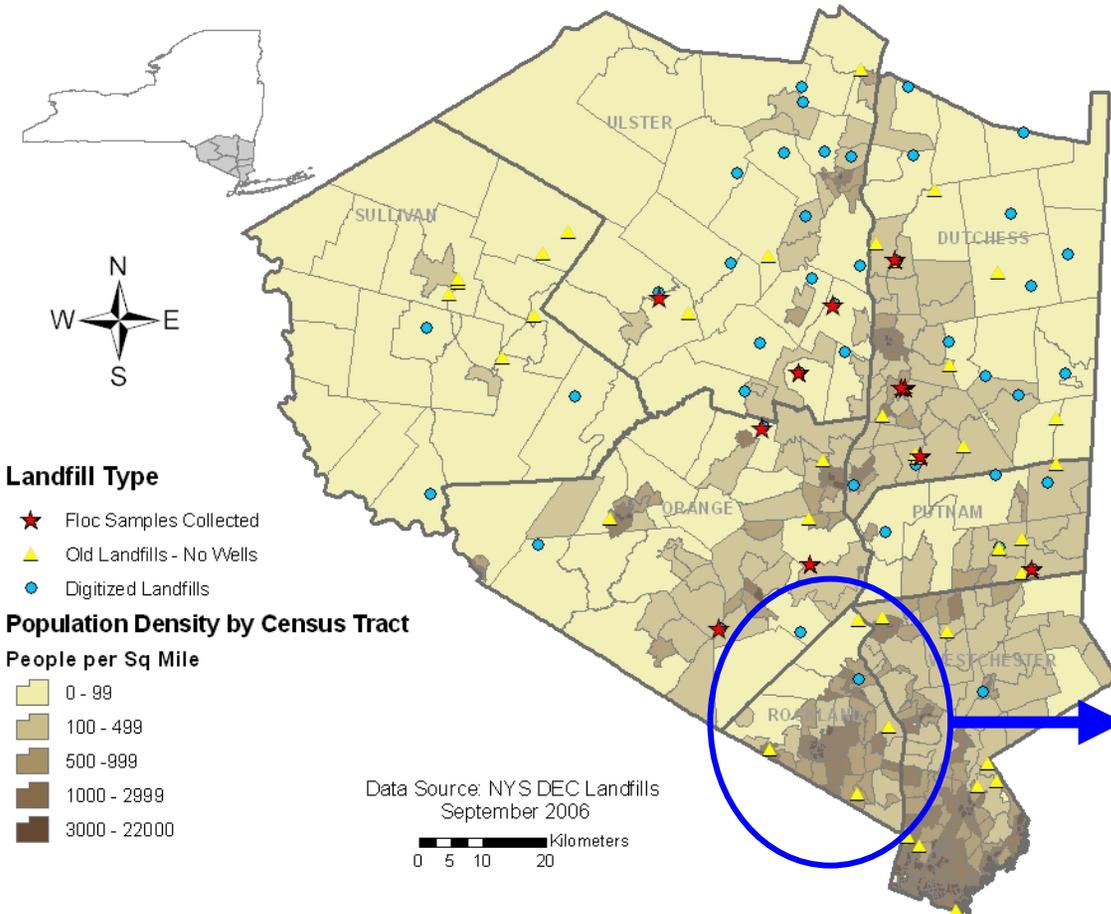
1. Assessment of local abandoned landfills

- NYS DEC, Steve Parisio
- Fe floc landfill survey



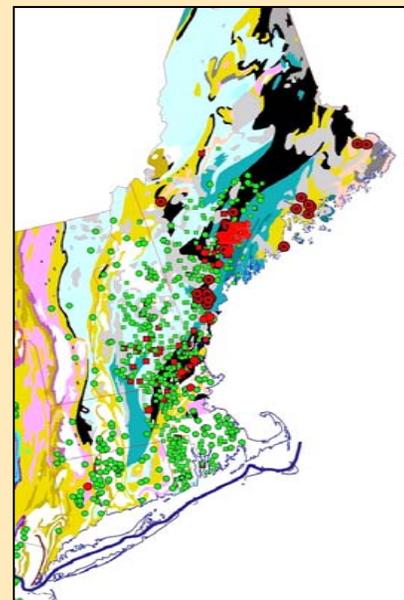
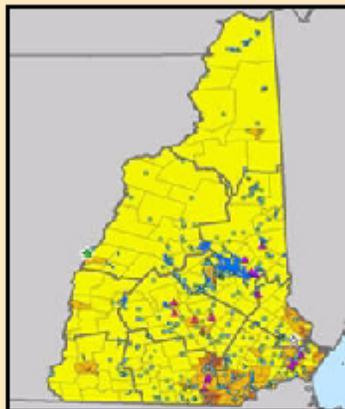
2. Water quality and quantity assessment, Rockland county

- County Legislature
- USGS, Paul Heisig
- $^3\text{H}/^3\text{He}$ dating
- Bacterial source tracking



SBRP - RTC Study Areas

New Hampshire



Newark Basin

